

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2368282	display	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/22 12:16
L2	243872	display and pixel\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/22 12:17
L3	110981	display and pixel\$1 same TFT or thin same film same transistor\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/22 12:18
L4	70017	display and pixel\$1 same TFT or thin same film same transistor\$1 same substrate\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/22 12:18
L5	34007	display and pixel\$1 same TFT or thin same film same transistor\$1 same substrate\$1 same swtich\$6 same regulat\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/22 12:19
L6	34007	display and pixel\$1 same TFT or thin same film same transistor\$1 same substrate\$1 same swtich\$6 same regulat\$6 and switch\$6 same regulat\$6 same control\$6 same circuit\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/22 12:20
L7	0	display and pixel\$1 same (TFT or thin same film same transistor\$1) same substrate\$1 same swtich\$6 same regulat\$6 and switch\$6 same regulat\$6 same control\$6 same circuit\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/22 12:20
L8	29327	display and pixel\$1 same (TFT or thin same film same transistor\$1) same substrate\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/22 12:20
L9	0	display and pixel\$1 same (TFT or thin same film same transistor\$1) same substrate\$1 same swtich\$6 same regulat\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/22 12:20

## EAST Search History

L10	28	display and pixel\$1 same (TFT or thin same film same transistor\$1) same substrate\$1 same switch\$6 same regulat\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/22 12:26
L11	4	display and pixel\$1 same (TFT or thin same film same transistor\$1) same substrate\$1 same switch\$6 same regulat\$6 and switch\$6 same regulat\$6 same control\$6 same circuit\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/22 12:24
L12	4259651	display and pixel\$1 same (TFT or thin same film same transistor\$1) same substrate\$1 same switch\$6 same regulat\$6 and switch\$6 same regulat\$6 same control\$6 same circuit\$6 same driv\$6 same output\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/22 12:23
L13	3	display and pixel\$1 same (TFT or thin same film same transistor\$1) same substrate\$1 same switch\$6 same regulat\$6 and switch\$6 same regulat\$6 same control\$6 same circuit\$6 same driv\$6 same output\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/22 12:23
L14	5	display and pixel\$1 same (TFT or thin same film same transistor\$1) same substrate\$1 same switch\$6 same regulat\$6 and "345"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/22 12:28
L15	12	display and pixel\$1 same (TFT or thin same film same transistor\$1) same substrate\$1 and switch\$6 adj regulat\$6 and "345"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/22 12:34
L16	0	display and pixel\$1 same (TFT or thin same film same transistor\$1) same substrate\$1 and switch\$6 adj regulat\$6 and "345"/\$.ccls. and switch\$6 same regulat\$6 same connect\$6 same capacitor\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/22 12:35
L17	0	display and pixel\$1 same (TFT or thin same film same transistor\$1) same substrate\$1 and switch\$6 adj regulat\$6 and "345"/\$.ccls. and switch\$6 same regulat\$6 same connect\$6 same capacitor\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/22 12:35
L18	0	display and pixel\$1 same (TFT or thin same film same transistor\$1) same substrate\$1 and switch\$6 adj regulat\$6 and "345"/\$.ccls. and switch\$6 same regulat\$6 same connect\$6 same capacit\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/22 12:35

## EAST Search History

L19	12	display and pixel\$1 same (TFT or thin same film same transistor\$1) same substrate\$1 and switch\$6 adj regulat\$6 and "345"/\$.ccls. and (switch\$6 same regulat\$6 and connect\$6 same capacit\$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/22 12:36
L20	3	"20030011586"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/22 13:03
L21	0	"20030011586" and switch\$6 adj regulat\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/22 13:03
L22	0	2005/0052447 and switch\$6 adj regulat\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/22 13:04

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
		display same includ\$6 same (switch\$6 adj regulat\$6)) same use\$6 same digital same signal\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 17:00
		display\$6 same device and pixel\$1 same portion same first same thin same film same transistor\$2 same substrate\$1 and switch\$6 same regulat\$6 and switch\$6 same regulat\$6 same control\$6 same circuit\$6 and digital same signal\$6 comprising a second thin film transistor formed over the substrate, substrate; and a switching element packed on a FPC, and driven according to an output signal from said switching regulator control circuit to raise or lower a voltage wherein said switching regulator control circuit uses a digital signal	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 14:48
S1	1072230	display\$6 same device cand pixel\$1 same portion same first same thin same film same transistor\$2 same substrate\$1 and switch\$6 same regulat\$6 and switch\$6 same regulat\$6 same control\$6 same circuit\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 14:44
S2	5319264	display\$6 same device cand pixel\$1 same portion same first same thin same film same transistor\$2 same substrate\$1 and switch\$6 same regulat\$6 and switch\$6 same regulat\$6 same control\$6 same circuit\$6 same digital same signal\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 14:45
S3	3	display\$6 same device and pixel\$1 same portion same first same thin same film same transistor\$2 same substrate\$1 and switch\$6 same regulat\$6 and switch\$6 same regulat\$6 same control\$6 same circuit\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 14:44
S4	1072230	display\$6 same device cand pixel\$1 same portion same first same thin same film same transistor\$2 same substrate\$1 and switch\$6 same regulat\$6 and switch\$6 same regulat\$6 same control\$6 same circuit\$6 same digital same signal\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 14:46

## EAST Search History

S5	0	display\$6 same device and pixel\$1 same portion same first same thin same film same transistor\$2 same substrate\$1 and switch\$6 same regulat\$6 and switch\$6 same regulat\$6 same control\$6 same circuit\$6 same digital same signal\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 14:46
S6	3	display\$6 same device and pixel\$1 same portion same first same thin same film same transistor\$2 same substrate\$1 and switch\$6 same regulat\$6 and switch\$6 same regulat\$6 same control\$6 same circuit\$6 and digital same signal\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 14:48
S7	0	display\$6 same device and pixel\$1 same portion same first same thin same film same transistor\$2 same substrate\$1 and digital same switch\$6 same regulat\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 14:49
S8	7076	digital same switch\$6 same regulat\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 14:49
S9	481	display with digital same switch\$6 same regulat\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 17:43
S10	9	display with digital same switch\$6 same regulat\$6 and (TFT or thin same film same transistor\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 15:19
S11	49	display with digital same switch\$6 same regulat\$6 and substrate\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 17:42
S12	7	display with digital same switch\$6 same regulat\$6 and substrate\$1 same pixel\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 15:00
S13	34	display with digital same (switch\$6 adj regulat\$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 15:01

## EAST Search History

S14	1	display with digital adj (switch\$6 adj regulat\$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 15:10
S15	3	display and digital adj (switch\$6 adj regulat\$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 15:13
S16	3	digital adj (switch\$6 adj regulat\$6) and analog same digital same convert\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 15:14
S17	3	display with digital same switch\$6 same regulat\$6 and (FPC or flexible same print\$6 same cable\$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 15:22
S18	11	display with digital same switch\$6 same regulat\$6 and (FPC or flexible same print\$6 same circuit\$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 15:23
S19	11	display with digital same switch\$6 same regulat\$6 and (FPC or flex\$6 same print\$6 same circuit\$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 16:41
S20	20682	input\$6 same device\$1 and plural\$6 same button\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 16:14
S21	0	input\$6 same device\$1 and plural\$6 same button\$1 same voltage\$1 same generat\$6 same circuit\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 16:15
S22	75	input\$6 same device\$1 and plural\$6 same button\$1 same voltage\$1 same generat\$6 same circuit\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 16:15
S23	0	input\$6 same device\$1 and plural\$6 same button\$1 same voltage\$1 same generat\$6 same circuit\$6 and button same activat\$6 same voltage\$6 same generat\$6 same circuit\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 16:17

## EAST Search History

S24	12	input\$6 same device\$1 and plural\$6 same button\$1 same voltage\$1 same generat\$6 same circuit\$6 and button same activat\$6 same voltage\$6 same generat\$6 same circuit\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 16:21
S25	4	input\$6 same device\$1 and plural\$6 same button\$1 same different same voltage\$1 same generat\$6 same circuit\$6 and button same activat\$6 same voltage\$6 same generat\$6 same circuit\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 16:25
S26	2	input\$6 adj device\$1 and plural\$6 same button\$1 same different same voltage\$1 same generat\$6 same circuit\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 16:25
S27	313449	display and (analog to digital same convert\$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 16:43
S28	522	display and ((analog to digital same convert\$6) with (switch\$6 same regulat\$6))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 16:43
S29	55	display and ((analog to digital same convert\$6) with (switch\$6 adj regulat\$6))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 16:44
S30	52	display and ((analog to digital adj convert\$6) with (switch\$6 adj regulat\$6))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 16:53
S31	11	display and ((analog to digital adj convert\$6) with (switch\$6 adj regulat\$6)) same use\$6 same digital same signal\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 16:57
S32	0	display and ((analog to digital adj convert\$6) with (switch\$6 adj regulat\$6)) same use\$6 same digital same signal\$6 and (switch\$6 same regulat\$6 same FPC or flex\$6 same print\$6 same circuit\$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 16:46

## EAST Search History

S33	0	display and ((analog to digital adj convert\$6) with (switch\$6 adj regulat\$6)) same use\$6 same digital same signal\$6 and (switch\$6 same regulat\$6 same (FPC or flex\$6 same print\$6 same circuit\$6))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 16:46
S34	0	display and ((analog to digital adj convert\$6) with (switch\$6 adj regulat\$6)) same use\$6 same digital same signal\$6 and (switch\$6 same regulat\$6 and mount\$6 and (FPC or flex\$6 same print\$6 same circuit\$6))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 16:48
S35	0	display and ((analog to digital adj convert\$6) with (switch\$6 adj regulat\$6)) same use\$6 same digital same signal\$6 and ( mount\$6 and (FPC or flex\$6 same print\$6 same circuit\$6))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 16:48
S36	1	display and ((analog to digital adj convert\$6) with (switch\$6 adj regulat\$6)) and (switch\$6 same regulat\$6 and mount\$6 and (FPC or flex\$6 same print\$6 same circuit\$6))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 16:50
S37	5	display and ((analog to digital adj convert\$6) with (switch\$6 same regulat\$6)) and (switch\$6 same regulat\$6 and mount\$6 and (FPC or flex\$6 same print\$6 same circuit\$6))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 16:50
S38	8	display and (((analog to digital or a/d) adj convert\$6) with (switch\$6 adj regulat\$6))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 16:53
S39	4	display and ((analog to digital adj convert\$6) same includ\$6 same (switch\$6 adj regulat\$6)) same use\$6 same digital same signal\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 17:00
S40	1	display same includ\$6 same (switch\$6 adj regulat\$6) same use\$6 same digital same signal\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 17:01
S41	15	display same includ\$6 same (switch\$6 adj regulat\$6) and use\$6 same (digital adj signal\$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 17:04



## EAST Search History

S42	2	display same includ\$6 same (switch\$6 adj regulat\$6) and use\$6 same (digital adj signal\$6) and (FPC or flex\$6 same print\$6 same circuit\$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 17:06
S43	2	display same includ\$6 same (switch\$6 same regulat\$6) and use\$6 same (digital adj signal\$6) and (FPC or flex\$6 same print\$6 same circuit\$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 17:07
S44	4	display same includ\$6 same (switch\$6 same regulat\$6) and use\$6 same (digital same signal\$6) and (FPC or flex\$6 same print\$6 same circuit\$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 17:07
S45	0	"20020145041" and FPC	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 17:41
S46	2	"20020145041"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 17:41
S47	2	"20030011586"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 17:42
S48	0	"20030011586" and FPC	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 17:42
S49	1	display with digital same switch\$6 same regulat\$6 and FPC	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 17:42
S50	1	display with digital same switch\$6 same regulat\$6 and FPC	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 17:43
S51	1	display with digital same switch\$6 same regulat\$6 and fpc	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 17:43

## EAST Search History

S52	7	display with switch\$6 same regulat\$6 and fpc	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 17:45
S53	40	display and switch\$6 adj regulat\$6 and fpc	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 19:02
S54	39	display and switch\$6 adj regulat\$6 and fpc and digital	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 19:02
S55	26	display and switch\$6 adj regulat\$6 and fpc and digital same signal\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 19:02